

ABSTRACT OF THE DISCLOSURE

5 The present invention provides an integrated analytical biochip and
manufacturing method thereof, mainly by using a speedy and low-cost
manufacturing process to integrate the Polymerase Chain Reaction ("PCR")
reaction tank, Capillary Electrophoresis ("CE") channel and the fiber structure
onto a single biochip, thus a DNA sample may be amplified via PCR on the
10 biochip, and immediately driven into the CE channel for analysis in
accordance with real-time online detection conducted through the fiber
structure integrated on the biochip, such that a speedy and accurate process
of biological sample detection and analysis can be achieved.

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